



WHI Baseline and Follow-Up Data
ECG - MI Novacode Serial Comparison

Data File: ecg_mi_nova_ct_pub **File Date:** 09/21/2007 **Structure:** Multiple rows per participant **Population:** CT participants

Participant ID

Variable # 1

Sas Name: ID

Sas Label: Participant ID

Type: Continuous

Usage Notes: none

Categories: Study: Administration

Baseline ECG days since randomization

Variable # 2

Sas Name: ECGBASEDAYS

Sas Label: Baseline ECG days since randomization

Type: Continuous

Usage Notes: none

Categories: Clinical Tests: ECG

Baseline ECG MI novacode

Variable # 3

Sas Name: ECGBASENOVA

Sas Label: Baseline ECG MI novacode

Type: Categorical

Usage Notes: Use for comparison with a follow-up ECG Novacode.

Categories: Clinical Tests: ECG

- Values**
- 5.0 No significant Q waves and no significant ST-T abnormalities
 - 5.1 Q wave MI with major Q waves
 - 5.2 Q wave MI with moderate Q waves and with ST-T abnormalities
 - 5.3 Possible Q wave MI w/moderate Q waves w/o ST-T abnormalities
 - 5.4 Possible Q wave MI w/minor Q waves with ST-T abnormalities
 - 5.5 Profound ST-T abnormalities without Q waves
 - 5.6 Significant ST-T abnormalities without Q waves
 - 5.6.1 STD or TN score >= 20 in any lead group
 - 5.6.2 Q score < 15 in all lead groups
 - 5.7 Minor Q waves without ST-T abnormalities
 - 5.8 Minor ST-T abnormalities

Follow-up ECG days since randomization

Variable # 4

Sas Name: ECGFUDAYS

Sas Label: Follow-up ECG days since randomization

Type: Continuous

Usage Notes: none

Categories: Clinical Tests: ECG



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Follow-up ECG visit type

Variable # 5

Sas Name: ECGFUVTYP

Sas Label: Follow-up ECG visit type

Type: Categorical

Usage Notes: none

Categories: Clinical Tests: ECG

Values	
1	Screening
2	Semi-annual
3	Annual
4	Non-routine

Follow-up ECG visit year

Variable # 6

Sas Name: ECGFUVY

Sas Label: Follow-up ECG visit year

Type: Continuous

Usage Notes: none

Categories: Clinical Tests: ECG

Closest to visit (follow-up ECG)

For forms entered with the same visit type and year, indicates the one closest to that visit's target date. Valid for forms entered with an annual or semi-annual visit type.

Variable # 7

Sas Name: ECGVCLO

Sas Label: Closest to visit (follow-up ECG)

Type: Categorical

Usage Notes: See Data Preparation Document.

Categories: Clinical Tests: ECG

Values	
0	No
1	Yes

Expected for visit (follow-up ECG)

The ECG was expected for this visit. ECGs were expected at screening (baseline) and at years 3, 6 and 9.

Variable # 8

Sas Name: ECGEXP

Sas Label: Expected for visit (follow-up ECG)

Type: Categorical

Usage Notes: none

Categories: Clinical Tests: ECG

Values	
0	No
1	Yes



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Follow-up ECG MI novacode

Variable # 9

Sas Name: ECGFUNOVA

Sas Label: Follow-up ECG MI novacode

Type: Categorical

Usage Notes: none

Categories: Clinical Tests: ECG

5.0	No significant Q waves and no significant ST-T abnormalities
5.1	Q wave MI with major Q waves
5.2	Q wave MI with moderate Q waves and with ST-T abnormalities
5.3	Possible Q wave MI w/moderate Q waves w/o ST-T abnormalities
5.4	Possible Q wave MI w/minor Q waves with ST-T abnormalities
5.5	Profound ST-T abnormalities without Q waves
5.6	Significant ST-T abnormalities without Q waves
5.6.1	STD or TN score >= 20 in any lead group
5.6.2	Q score < 15 in all lead groups
5.7	Minor Q waves without ST-T abnormalities
5.8	Minor ST-T abnormalities

Incident novacode

Variable # 10

Sas Name: ECGINCDNTNOVA

Sas Label: Incident novacode

Type: Categorical

Usage Notes: Based on serial ECG comparison. Reference: Rautaharju, P, et al. The Novacode criteria for classification of ECG abnormalities and their clinically significant progression and regression. J Electrocardiol. 1998 Jul;31(3):157-187.

Categories: Clinical Tests: ECG

5.0	No significant Q waves and no significant ST-T abnormalities
5.1	Q wave MI with major Q waves
5.2	Q wave MI with moderate Q waves and with ST-T abnormalities
5.3	Possible Q wave MI w/moderate Q waves w/o ST-T abnormalities
5.4	Possible Q wave MI w/minor Q waves with ST-T abnormalities
5.5	Profound ST-T abnormalities without Q waves
5.6	Significant ST-T abnormalities without Q waves
5.6.1	STD or TN score >= 20 in any lead group
5.6.2	Q score < 15 in all lead groups
5.7	Minor Q waves without ST-T abnormalities
5.8	Minor ST-T abnormalities



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Silent MI (evolving Q-wave; first occurrence)

First occurrence of an evolving Q-wave MI based on an incident Novacode of 5.1 or 5.2.

Variable #	11	Usage Notes:	WHI-CCC does not count a silent MI occurring after a clinical MI.
Sas Name:	ECGSILNTMI	Categories:	Clinical Tests: ECG
Sas Label:	Silent MI (evolving Q-wave; first occurrence)		
Type:	Categorical		
Values			
0	No		
1	Yes		

Possible silent MI (first occurrence)

First occurrence of a possible evolving Q-wave MI based on an incident Novacode of 5.3 or 5.4.

Variable #	12	Usage Notes:	WHI-CCC does not count a silent MI occurring after a clinical MI.
Sas Name:	ECGPOSMI	Categories:	Clinical Tests: ECG
Sas Label:	Possible silent MI (first occurrence)		
Type:	Categorical		
Values			
0	No		
1	Yes		
